

## **FACULTY PROFILE Pro- forma**

### **1: PERSONAL PROFILE**

NAME	Dr.R.Sudharsan
DATE OF BIRTH	2,OCT.1959
ADDRESS FOR COMMUNICATION	7,(oldNO.21/1), Warren Road, Mylapore, Chennai-600004.
LANDLINE/ MOBILE NUMBER	24936520/ 9444413520
EMAIL ADDRESS	sudharsan_r@dataone.in
OTHER INTERESTS	Reading science related books, sports.

### **2: ACADEMIC PROFILE**

QUALIFICATION	TITLE	YEAR OF PASSING	GRADE/ CLASS	INSTITUTION
RESEARCH				
PROFESSIONAL QULIFICATION	Ph.D.	1990	nil	IIT Chennai
PG	M.Sc. Physics	1983	First	IIT Chennai
UG	B.Sc. Physics	1981	First	RKM Vivekananda College, Chennai-4

(I am an alumnus of the college. Studied Pre University, 1977-78, and B.Sc. Phycs,1978-81).

### **3. PROFESSIONAL EXPERIENCE-TEACHING**

**INSTITUTION;** R.K.M.Vivekananda college,  
Mylapore, Chennai-600004.

**PERIOD:** Since 16, Nov. 1990.

**DESIGNATION:** Reader

**SUBJECT INTEREST:** Relativity, Quantum Mechanics, Mathematical Physics, Thermodynamics & Statistical Mechanics.

**4. EXPERIENCE IN THE INDUSTRY  
AND CONSULTANCY:**

NIL

**5. AWARDS AND ACHIEVEMENTS:**

NIL

**6. PUBLICATIONS:**

- 1) Cosmological Models with particle Creation and Bulk Viscosity, R.Sudharsn and V.B.Johri, General Relativity and Gravitation, (GRG), 26, Nov.-Dec., 1993.
- 2) Transition to a New Radiation Era in the Cosmic Evolution, R.Sudharsn and V.B.Johri, Astrophysics Letters & Communications, 28, 1992.
- 3) Energy Creation and Entropy Production due o Bulk Viscosity during an Instantaneous Phase Transition, R.Sudharsn and V.B.Johri, Physics Letters A, 141, No.5, 6. , 1989.
- 4) BD-FRW Cosmology with Bulk Viscosity, R.Sudharsn and V.B.Johri, Australian Journal of Physics, 42, 1989.
- 5) Friedmann Universes with Bulk Viscosity R.Sudharsn and V.B.Johri, Physics Letters A, 132, No. 6, 7, 1988.
- 6) FRW Cosmological Models with Bulk Viscosity and Entropy Production, R.Sudharsn and V.B.Johri, Proceedings of the International Conference on Mathematical Modeling in Science and Technology, (ICMMST-88), Vol.2, Editors- L.S.Srinath, P.Achuthan and S.N. Majhi, 1988.
- 7) Exact BD-FRW Imperfect Fluid cosmologies with an Electromagnetic field, R.Sudharsn and V.B.Johri, Astrophysics and Space Science, 137, 1987.
- 8) Imperfect Fluid Cosmologies, R.Sudharsn and V.B.Johri, Astrophysics and Space Science, 134, 1987.